



# HAWAII BANANAS

## ANNUAL SUMMARY

FREQUENCY: Annual

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### 2001 HAWAII BANANA VALUE REACHES RECORD \$10.6 MILLION

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Higher prices for Hawaii bananas pushed the farm value to a record **\$10.6** million in 2001, 2 percent above the previous year, according to the Hawaii Agricultural Statistics Service. Utilization was off 1.0 million pounds to 28.0 million, declining for the first time after 4 consecutive years of increase. Less Cavendish production at the end of the year was partially offset by increased output from lower yielding Hawaii Apple variety. Some growers reported slower sales after September 11<sup>th</sup> WTC attack. A two-year ban on planting bananas in the Kona area, as part of the Department of Agriculture eradication effort for Banana Bunchy Top Virus (BBTV) on Hawaii island, was lifted on March 1<sup>st</sup>. Growers on Kauai and Oahu continued to monitor and rogue infected plantings to control the disease. Weather for 2001 was generally favorable with no major wind damage.

#### ACREAGE

Total acreage as of February 2002 was 1,660 acres, 50 acres less than February last year. Harvested acreage totaled a record 1,490 in 2001, up 30 acres from a year earlier. Cavendish bananas accounted for 54 percent of the acreage with Hawaii Apple making up majority of the remainder. In 2001, growers planted 150 new or replacement acres statewide, the lowest amount since 1994.

*(Continued on page 4)*



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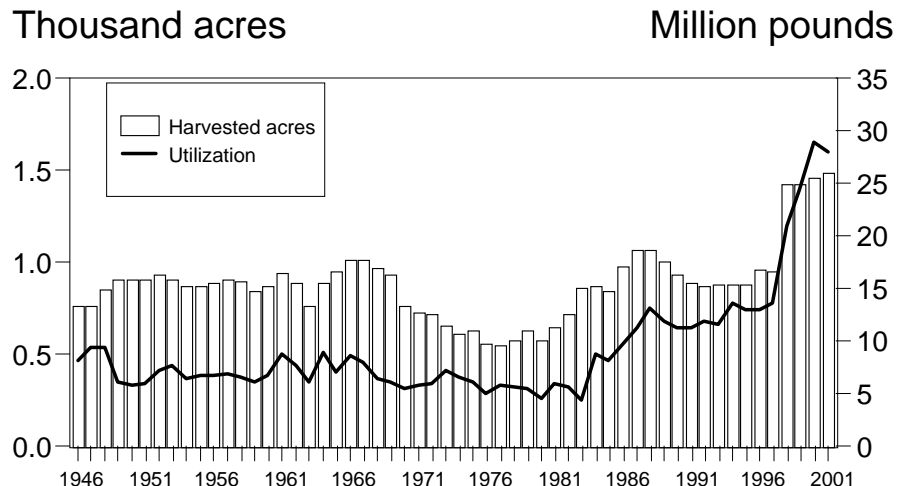
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### State of Hawaii, 1946-2001



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# BANANA STATISTICS BY COUNTY

**Table 1. BANANAS: Acreage by variety, State of Hawaii, 2000-2001<sup>1</sup>**

	Variety				New plantings 2001
	Hawaii Apple <sup>2</sup>		Cavendish <sup>3</sup>		
	2000	2001	2000	2001	
<i>Acres</i>					
<b>State</b>	<b>735</b>	<b>760</b>	<b>975</b>	<b>900</b>	<b>150</b>

<sup>1</sup> As of February following year, i.e., acreage data shown for 2001 is as of February 2002. <sup>2</sup> Includes Dwarf Hawaii Apple and Apple bananas, formerly called Brazilian. <sup>3</sup> Includes Chinese, Williams, Valery, and Grand Nain. Bluefields, Dwarf Bluefields, and other bananas are also included with Cavendish.

**Table 2. BANANAS: Number of farms, acreage, yield, utilization, price, and value, by county, 1997-2001**

Year	Farms	Acreage		Yield per acre (harvested)	Utilization Fresh	Farm price	Value of sales
		In crop <sup>1</sup>	Harvested <sup>2</sup>				
	<i>Number</i>	<i>----- Acres -----</i>		<i>----- 1,000 pounds -----</i>	<i>Cents per pound</i>	<i>1,000 dollars</i>	
<b>State<sup>3</sup></b>							
1997	170	1,590	950	14.4	13,700	38.0	5,206
1998	200	1,600	1,420	14.8	21,000	35.0	7,350
1999	210	1,760	1,420	17.3	24,500	35.0	8,575
2000	210	1,710	1,460	19.9	29,000	36.0	10,440
<b>2001</b>	<b>200</b>	<b>1,660</b>	<b>1,490</b>	<b>18.8</b>	<b>28,000</b>	<b>38.0</b>	<b>10,640</b>
<b>Counties:</b>							
<b>Hawaii</b>							
1997	48	840	550	17.8	9,800	34.0	3,352
1998	50	740	665	16.7	11,100	31.0	3,430
1999	45	830	650	18.2	11,800	32.5	3,819
2000	45	815	665	21.4	14,200	34.5	4,927
<b>2001</b>	<b>50</b>	<b>790</b>	<b>730</b>	<b>23.0</b>	<b>16,800</b>	<b>37.5</b>	<b>6,302</b>
<b>Honolulu</b>							
1997	75	635	320	8.6	2,750	46.5	1,276
1998	75	715	655	13.1	8,600	38.0	3,268
1999	85	785	670	16.9	11,300	35.5	4,039
2000	80	760	685	19.7	13,500	35.5	4,826
<b>2001</b>	<b>75</b>	<b>710</b>	<b>645</b>	<b>15.7</b>	<b>10,100</b>	<b>37.5</b>	<b>3,768</b>
<b>Kauai</b>							
1997	28	40	35	12.9	450	43.5	196
1998	40	60	50	10.0	500	42.5	212
1999	40	60	50	10.2	510	42.5	218
2000	45	60	50	11.0	550	43.0	236
<b>2001</b>	<b>45</b>	<b>75</b>	<b>55</b>	<b>9.5</b>	<b>520</b>	<b>45.5</b>	<b>237</b>
<b>Maui</b>							
1997	19	75	45	15.6	700	54.5	382
1998	35	85	50	16.0	800	55.0	440
1999	40	85	50	17.8	890	56.0	499
2000	40	75	60	12.5	750	60.0	451
<b>2001</b>	<b>30</b>	<b>85</b>	<b>60</b>	<b>9.7</b>	<b>580</b>	<b>57.5</b>	<b>333</b>

<sup>1</sup> As of February following year, i.e., acreage data shown for 2001 is as of February 2002. <sup>2</sup> Acreage reflects quarterly average during the year. <sup>3</sup> County totals may not add to State totals due to rounding.

# BANANA STATISTICS BY VARIETY

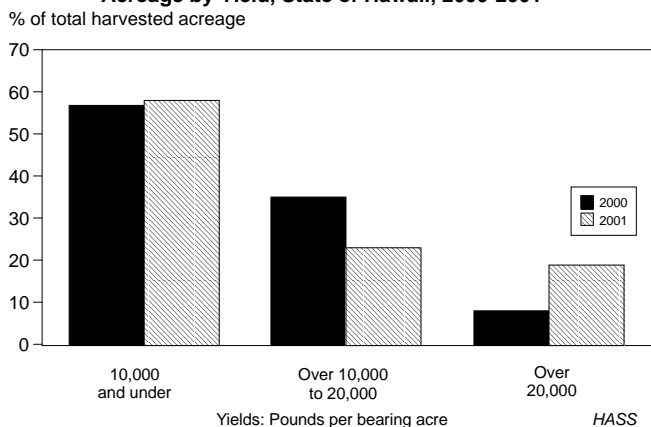
**Table 3. BANANAS: Utilization, acreage, and price, State of Hawaii, 1997-2001**

Year	Utilization Fresh <sup>1</sup>													Acreage	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average	In crop	Harvested
----- 1,000 pounds -----													----- Acres -----		
<b>All Bananas</b>															
1997	1,021	840	764	802	990	1,118	1,362	1,419	1,230	1,432	1,365	1,357	13,700	1,590	950
1998	1,196	1,096	1,261	1,359	1,516	1,943	2,163	2,117	2,112	2,095	2,063	2,079	21,000	1,600	1,420
1999	1,739	1,743	1,968	1,714	2,124	2,090	2,323	2,500	2,363	2,151	1,820	1,965	24,500	1,760	1,420
2000	2,148	2,221	2,583	2,371	2,442	2,620	2,553	2,350	2,638	2,465	2,603	2,006	29,000	1,710	1,460
<b>2001</b>	<b>2,145</b>	<b>2,025</b>	<b>2,390</b>	<b>2,285</b>	<b>2,480</b>	<b>2,520</b>	<b>2,530</b>	<b>2,620</b>	<b>2,490</b>	<b>2,295</b>	<b>2,175</b>	<b>2,045</b>	<b>28,000</b>	<b>1,660</b>	<b>1,490</b>
<b>Hawaii Apple <sup>2</sup></b>															
1997	369	327	342	303	311	279	303	364	326	364	349	363	4,000	540	445
1998	344	345	388	367	308	281	322	367	385	390	397	506	4,400	660	510
1999	487	442	418	392	398	402	360	386	390	429	403	393	4,900	700	530
2000	410	438	496	479	407	447	440	445	454	458	518	508	5,500	735	550
<b>2001</b>	<b>425</b>	<b>495</b>	<b>615</b>	<b>565</b>	<b>635</b>	<b>630</b>	<b>560</b>	<b>590</b>	<b>565</b>	<b>565</b>	<b>475</b>	<b>580</b>	<b>6,700</b>	<b>760</b>	<b>600</b>
<b>Cavendish <sup>3</sup></b>															
1997	652	513	422	499	679	839	1,059	1,055	904	1,068	1,016	994	9,700	1,050	505
1998	852	751	873	992	1,208	1,662	1,841	1,750	1,727	1,705	1,666	1,573	16,600	940	910
1999	1,252	1,301	1,550	1,322	1,726	1,688	1,963	2,114	1,973	1,722	1,417	1,572	19,600	1,060	890
2000	1,738	1,783	2,087	1,892	2,035	2,173	2,113	1,905	2,184	2,007	2,085	1,498	23,500	975	910
<b>2001</b>	<b>1,720</b>	<b>1,530</b>	<b>1,775</b>	<b>1,720</b>	<b>1,845</b>	<b>1,890</b>	<b>1,970</b>	<b>2,030</b>	<b>1,925</b>	<b>1,730</b>	<b>1,700</b>	<b>1,465</b>	<b>21,300</b>	<b>900</b>	<b>890</b>
<b>FARM PRICE FOR FRESH MARKET</b>															
<i>Cents per pound</i>															
<b>All Bananas <sup>4</sup></b>															
1997	44.0	44.5	45.0	43.0	38.0	36.0	34.5	35.5	36.0	35.5	34.5	34.5	38.0		
1998	36.0	38.5	37.5	38.0	37.5	35.5	34.5	33.5	33.0	32.5	33.5	34.5	35.0		
1999	37.0	38.5	38.0	37.5	35.0	33.5	32.5	33.0	33.0	33.5	36.5	35.0	35.0		
2000	36.0	38.5	37.5	39.0	37.5	34.5	33.0	32.0	33.0	36.5	36.5	38.0	36.0		
<b>2001</b>	<b>38.5</b>	<b>42.0</b>	<b>40.0</b>	<b>38.0</b>	<b>40.5</b>	<b>37.5</b>	<b>37.0</b>	<b>36.0</b>	<b>36.0</b>	<b>36.0</b>	<b>35.0</b>	<b>39.5</b>	<b>38.0</b>		
<b>Hawaii Apple <sup>2</sup></b>															
1997	48.5	49.5	49.5	50.0	50.5	52.0	51.5	51.0	51.0	50.0	50.0	49.5	50.0		
1998	49.5	49.5	49.0	49.0	50.0	53.0	53.0	51.0	50.5	50.0	49.5	48.5	50.0		
1999	48.0	47.5	47.0	47.0	47.5	47.5	47.5	48.0	47.5	47.5	48.0	48.0	47.5		
2000	46.5	46.5	46.0	47.5	47.0	47.0	47.0	47.5	47.5	47.0	46.5	47.5	47.0		
<b>2001</b>	<b>50.0</b>	<b>50.0</b>	<b>51.0</b>	<b>51.0</b>	<b>51.5</b>	<b>50.5</b>	<b>50.0</b>	<b>50.5</b>	<b>51.0</b>	<b>51.0</b>	<b>50.0</b>	<b>50.0</b>	<b>50.5</b>		
<b>Cavendish <sup>5</sup></b>															
1997	38.0	41.5	42.0	42.0	38.5	32.0	30.5	29.5	30.0	30.0	30.0	29.0	33.0		
1998	30.0	33.5	32.5	33.5	34.0	32.5	31.0	29.5	28.5	28.5	29.5	30.0	30.5		
1999	32.5	35.0	35.5	34.5	31.5	30.0	29.5	30.0	30.0	29.5	33.0	31.5	31.5		
2000	33.5	36.0	35.5	36.5	35.5	31.5	30.0	28.0	30.0	34.0	34.0	34.5	33.0		
<b>2001</b>	<b>36.0</b>	<b>39.0</b>	<b>36.0</b>	<b>34.0</b>	<b>36.5</b>	<b>33.5</b>	<b>33.0</b>	<b>32.0</b>	<b>31.5</b>	<b>31.5</b>	<b>30.5</b>	<b>35.5</b>	<b>34.0</b>		

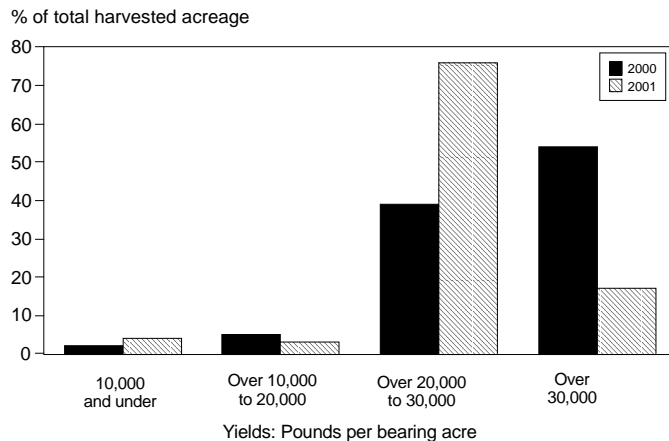
<sup>1</sup> Monthly production rounded to the nearest 5,000 pounds beginning 2001. <sup>2</sup> Includes Dwarf Hawaii Apple and Apple bananas, formerly called Brazilian. <sup>3</sup> Includes Chinese, Williams, Valery, and Grand Nain. Bluefields, Dwarf Bluefields, and other bananas are combined with Cavendish beginning 1993. Previous publications provide a breakdown for Bluefields. <sup>4</sup> Includes Bluefields, Dwarf Bluefields, and other bananas. <sup>5</sup> Includes Chinese, Williams, Valery, and Grand Nain.

# BANANA ACREAGE DISTRIBUTED BY YIELD

**BANANAS: Distribution of Harvested Hawaii Apple Acreage by Yield, State of Hawaii, 2000-2001**



**BANANAS: Distribution of Harvested Cavendish Acreage by Yield, State of Hawaii, 2000-2001**



**Table 4. BANANAS: Distribution of harvested acreage by yield, State of Hawaii, 2000-2001**

Stratum: Yield per harvested acre	Variety								
	Hawaii Apple <sup>1</sup>				Cavendish <sup>2</sup>				
	Harvested acres		Average yield		Harvested acres		Average yield		
	2000	2001	2000	2001	2000	2001	2000	2001	
<i>Pounds</i>	<i>----- Pounds -----</i>							<i>----- Pounds -----</i>	
Over 30,000	3	3	3	3	481	150	31,500	30,700	
20,001 - 30,000	<sup>4</sup> 41	<sup>4</sup> 116	<sup>4</sup> 24,000	<sup>4</sup> 25,000	343	677	21,400	24,000	
10,001 - 20,000	193	135	15,200	14,400	54	26	15,500	12,100	
10,000 and Under	316	349	5,500	5,400	32	37	4,800	3,600	
Total	550	600	10,000	11,200	910	890	25,800	23,900	

<sup>1</sup> Includes Apple and dwarf varieties, formerly called Brazilian.

<sup>2</sup> Includes Chinese, Williams, Valery, and Grand Nain. Bluefields, Dwarf Bluefields, and other bananas are included with Cavendish.

<sup>3</sup> Data not shown separately but combined and included in "20,001-30,000" pounds per acre.

<sup>4</sup> Includes "Over 30,000" pounds per acre.

## SALES AND YIELD

Overall Statewide yields averaged 18,800 pounds per acre in 2001, compared to 19,900 pounds during the previous year. Cavendish production totaled 21.3 million pounds, down 9 percent from 2000, accounting for 76 percent of the State total. The overall average yield for Cavendish was 23,900 pounds per acre, down 1,900 pounds from 2000. About three-fourths of the acreage produced between 20,001-30,000 pounds per acre compared to a year ago when over half of the acreage produced over 30,000 pounds. Hawaii Apple output was 22 percent more than 2000 to 6.7 million pounds. More Hawaii Apple bananas acreage yielded above 20,001 pounds per acre than the previous year. About 58 percent of the Hawaii Apple acreage averaged 10,000 pounds or less per acre. Hawaii and Honolulu counties contributed 96 percent of the total banana utilization. Maui and Kauai counties accounted for the remaining 4 percent.

## FARM PRICES AND VALUE

The 2001 farm price for all varieties of local bananas averaged 38.0 cents per pound, up 2.0 cents from the previous year. Cavendish bananas averaged 34.0 cents per pound, up 1.0 cent from last year. The average farm price for Hawaii Apple was up 3.5 cents per pound to 50.5 cents. The Statewide farm value reached a record \$10.6 million with a higher price.

# HISTORICAL DATA

**Table 5. BANANAS: State of Hawaii, 1946-2001**

Year	Farms	Acreage		Yield per acre (harvested)	Utilization Fresh	Farm price <sup>1</sup>	Value of sales
		In crop	Harvested				
	<i>Number</i>	<i>----- Acres -----</i>		<i>----- 1,000 pounds -----</i>		<i>Cents per pound</i>	<i>1,000 dollars</i>
1946	NA	1,000	760	10.7	8,163	4.6	373
1947	NA	1,020	760	12.5	9,475	6.4	608
1948	NA	1,020	850	11.2	9,510	6.0	572
1949	NA	1,010	910	6.7	6,115	7.6	464
1950	NA	1,020	910	6.5	5,870	7.2	424
1951	NA	990	910	6.7	6,085	7.4	451
1952	NA	1,010	930	7.8	7,250	6.7	489
1953	NA	980	910	8.5	7,760	6.5	503
1954	NA	930	870	7.4	6,430	6.8	436
1955	NA	950	870	7.9	6,850	6.5	444
1956	NA	1,000	890	7.6	6,725	6.8	454
1957	NA	1,050	910	7.7	6,985	5.7	398
1958	NA	1,050	900	7.4	6,665	6.8	435
1959	NA	1,010	840	7.4	6,210	7.1	438
1960	NA	1,130	970	7.8	6,810	6.4	435
1961	NA	1,160	940	9.4	8,835	6.7	592
1962	NA	1,110	890	8.7	7,710	6.6	509
1963	NA	1,040	760	8.2	6,245	7.8	484
1964	246	1,090	890	10.1	9,010	7.7	690
1965	243	1,160	950	7.5	7,160	7.7	545
1966	229	1,150	1,010	8.6	8,730	7.7	668
1967	216	1,155	1,010	8.0	8,095	7.0	567
1968	207	1,115	965	6.7	6,485	7.7	499
1969	170	1,038	933	6.6	6,170	9.4	580
1970	182	820	760	7.4	5,600	10.6	594
1971	172	810	725	8.1	5,865	11.6	680
1972	172	795	720	8.3	6,000	12.0	720
1973	171	730	660	11.1	7,295	10.6	773
1974	173	670	610	10.8	6,600	13.1	865
1975	154	690	630	9.8	6,200	13.8	856
1976	152	615	560	9.0	5,030	15.5	780
1977	153	610	550	10.5	5,800	15.6	905
1978	147	660	580	9.8	5,700	18.5	1,055
1979	148	690	630	8.8	5,550	20.5	1,138
1980	159	730	580	7.9	4,600	23.9	1,099
1981	152	760	650	9.2	6,000	25.7	1,542
1982	179	940	720	8.0	5,750	28.6	1,645
1983	183	1,100	860	5.2	4,470	31.2	1,395
1984	180	990	870	10.2	8,900	30.0	2,670
1985	178	1,060	840	9.7	8,160	30.3	2,472
1986	185	1,140	980	9.9	9,700	30.0	2,910
1987	175	1,220	1,070	10.7	11,400	29.7	3,386
1988	160	1,220	1,070	12.3	13,200	33.0	4,356
1989	150	1,150	1,000	11.9	11,900	36.5	4,344
1990	150	1,000	930	12.2	11,300	38.0	4,294
1991	145	970	890	12.8	11,400	41.0	4,674
1992	135	960	870	13.8	12,000	41.0	4,920
1993	130	980	830	14.1	11,700	38.0	4,446
1994	145	1,020	880	15.6	13,700	37.0	5,069
1995	170	1,120	880	14.8	13,000	40.0	5,200
1996	170	1,240	960	13.5	13,000	40.0	5,200
1997	170	1,590	950	14.4	13,700	38.0	5,206
1998	200	1,600	1,420	14.8	21,000	35.0	7,350
1999	210	1,760	1,420	17.3	24,500	35.0	8,575
2000	210	1,710	1,460	19.9	29,000	36.0	10,440
<b>2001</b>	<b>200</b>	<b>1,660</b>	<b>1,490</b>	<b>18.8</b>	<b>28,000</b>	<b>38.0</b>	<b>10,640</b>

<sup>1</sup> Price rounded to nearest 0.5 cent beginning 1994.

# HAWAII FRESH BANANA MARKET SUPPLY

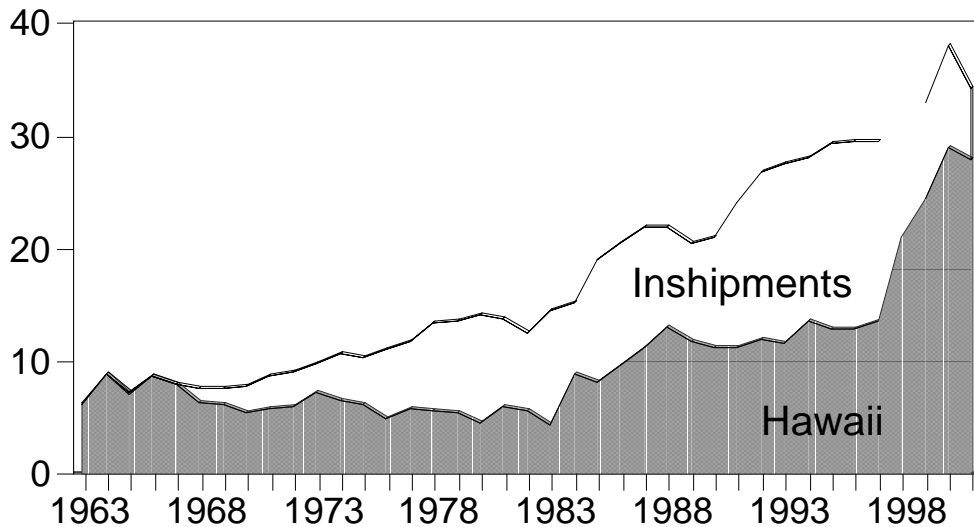
**Table 6. BANANAS: Fresh Cavendish banana inshipments into Honolulu, 1997-2001<sup>1</sup>**

Year	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul	Aug.	Sep.	Oct.	Nov.	Dec.	Honolulu	State <sup>1</sup>
<i>1,000 pounds</i>														
1997	1,546	1,331	1,770	1,657	1,522	1,357	1,208	1,020	1,269	1,012	1,043	1,043	15,778	15,919
1998	1,282	1,274	864	822	NA	NA	604	494	603	433	644	484	NA	NA
1999	678	880	967	756	465	673	453	379	503	714	837	1,138	8,443	8,484
2000	974	920	1,085	709	1,014	678	528	465	714	708	723	492	9,010	9,055
<b>2001</b>	<b>580</b>	<b>604</b>	<b>566</b>	<b>613</b>	<b>588</b>	<b>532</b>	<b>494</b>	<b>532</b>	<b>508</b>	<b>369</b>	<b>326</b>	<b>553</b>	<b>6,265</b>	<b>6,293</b>

<sup>1</sup> Annual totals for 1997, 1999-2001 were estimated to include direct inshipments to the outer islands. NA = Not available. Source: Hawaii Department of Agriculture, Market Analysis and News Branch.

## MARKET SUPPLY: Fresh Market Bananas, State of Hawaii, 1963-2001

Million pounds



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# U.S. FRESH BANANA IMPORTS

**Table 7. BANANAS: U.S. fresh banana imports, quantity and value, 1998-2001**

Year	Quantity	Custom value
	<i>Metric tons</i>	<i>1,000 dollars</i>
1998	3,914,797	1,092,703
1999	4,291,425	1,080,236
2000	<sup>1</sup> 4,030,618	<sup>1</sup> 1,026,390
<b>2001</b>	<b>3,840,604</b>	<b>1,069,343</b>

The conversion for 1 metric ton = 2,204.6 pounds. Source: U.S. Department of Commerce.

<sup>1</sup> Revised.

**Table 8. BANANAS: U.S. fresh banana imports, quantity and value, by country, 2001<sup>1</sup>**

**Harmonized number: 0803002020**

Country	Quantity	Custom value
	<i>Metric tons</i>	<i>1,000 dollars</i>
Mexico	63,809	18,459
Guatemala	832,106	225,963
Honduras	381,540	109,722
Costa Rica	1,082,088	307,395
Panama	16,187	4,632
Dominican Republic	7,355	2,800
Colombia	473,784	142,979
Venezuela	3,283	1,314
Ecuador	946,565	245,770
Nicaragua	28,198	8,563
Rep of the Philippines	6	8
Peru	5,656	1,717
Egypt	19	10
Jamaica	5	7
Thailand	4	4
<b>Total</b>	<b>3,840,604</b>	<b>1,069,343</b>

The conversion for 1 metric ton = 2,204.6 pounds.

<sup>1</sup> Data may not add due to rounding.

Source: U.S. Department of Commerce.

*In 2001, the U.S. imported 3.8 million metric tons of fresh bananas from foreign sources, down 5 percent from the previous year. Costa Rica and Ecuador continued to account for more than half of the bananas imports. The value posted \$1.1 billion, 4 percent more than the 2000 value.*